

FIG. 1

FIG. 1 is a schematic diagram of a brain stimulation system. A POWER SOURCE (42) is connected via a line (43) to a MICROPROCESSOR (41). The MICROPROCESSOR (41) is connected via lines (43) to two sets of electrodes (12A and 12B) on a headband (11). The headband (11) is connected to two leads (10) that pass through the skull (50) and enter the brain (52) via catheters (20 and 30). The catheters (20 and 30) have distal electrodes (24 and 34) positioned near the brain tissue. The leads (10) also have proximal electrodes (25 and 35) near the skull. The brain (52) is shown with various anatomical structures labeled, including the corpus callosum (31), thalamus (32), and brainstem (33). The skull (50) is shown with a dashed line indicating the path of the catheters. The leads (10) are shown with a dashed line indicating the path of the catheters.

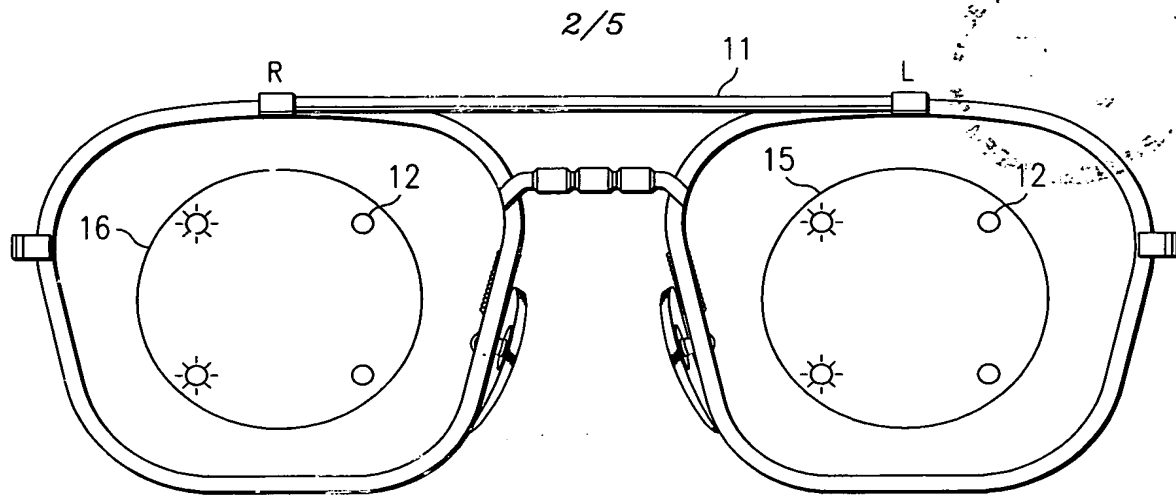


FIG. 2

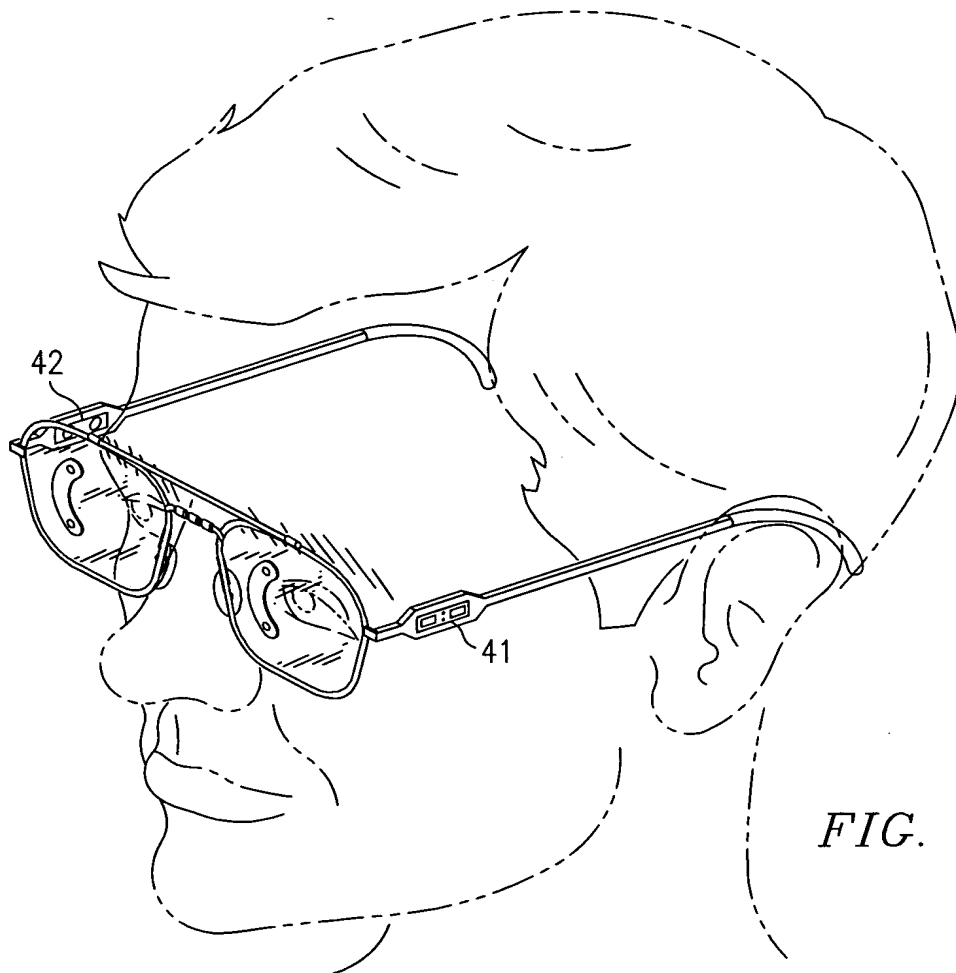
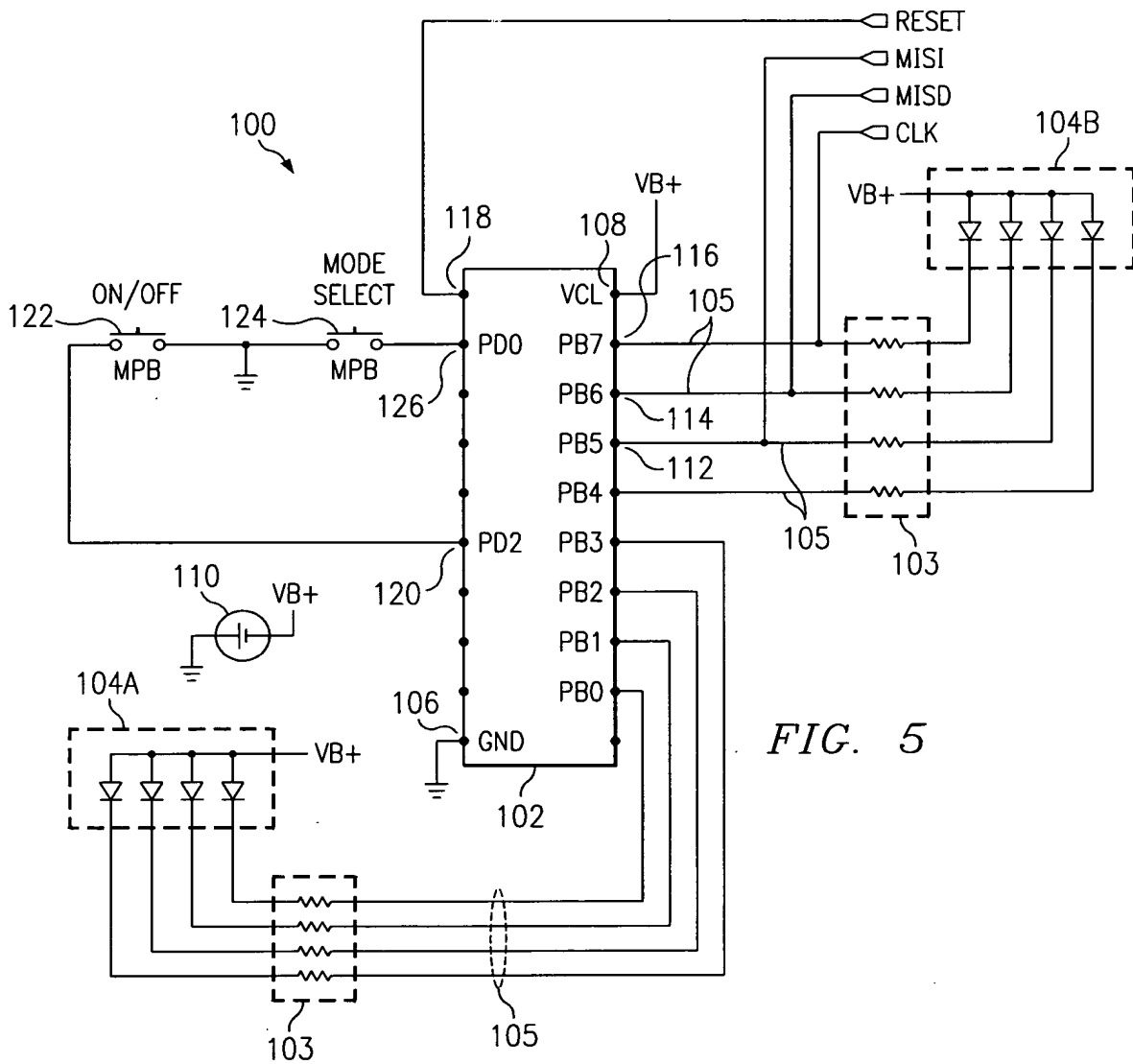


FIG. 3

$$\left. \begin{array}{l} nq + s u u \\ u s + q n c \end{array} \right\} \text{FIG. 4}$$



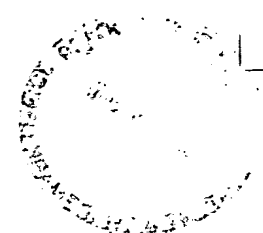
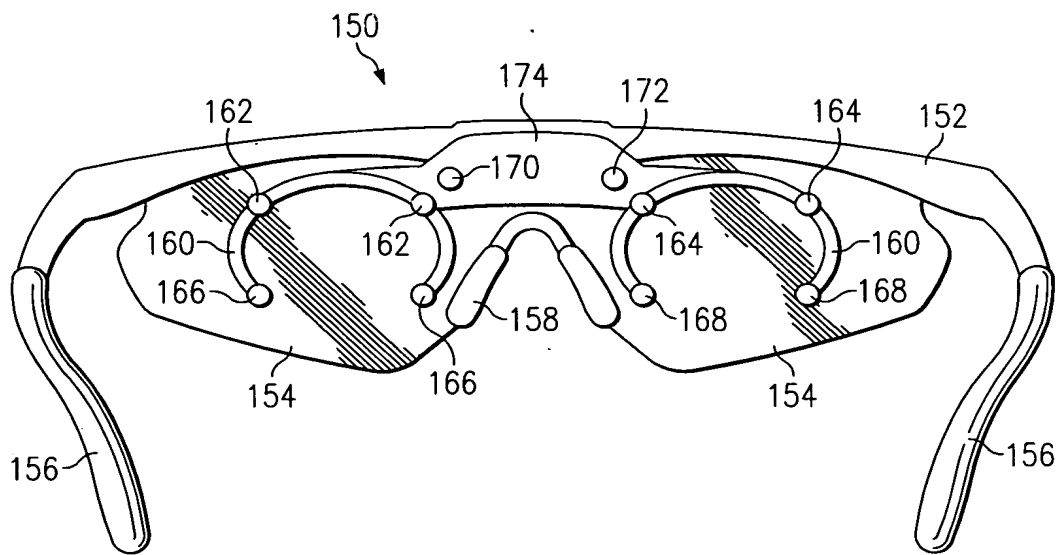


FIG. 6



5/5

FIG. 7

